Prince Sandhu . Jarvis Consulting

I have graduated with a Bachelor's in Software Engineering from McMaster University in 2019. I am currently employed by Jarvis Consulting Group in pursuit of extensively expanding my software application skills through working on various exciting projects by utilizing current and in-demand technologies and frameworks. My prior industry experience includes a one-year internship at the Ontario Ministry of Children, Community and Social Services. I supported the System Development & Maintenance team in planning, developing, implementing, and testing the Child Protection Information Network (CPIN) application, along with providing tier-2 support for onboarding regional agencies. I particularly enjoy tackling new challenges regularly and the dynamic nature of the profession is what excites me and is precisely the reason why I chose to pursue a career in the software development industry.

Skills

Proficient: Java, Algorithms & Data Structures, Linux/Bash, Agile/Scrum, Git

Competent: JavaScript, RDBMS/SQL, HTML/CSS, C, React Native, LaTeX

Familiar: TypeScript, React, Python, JUnit, MATLAB, UML

Jarvis Projects

Project source code: https://github.com/jarviscanada/jarvis_data_eng_PrinceSandhu

Cluster Monitor [GitHub]: Developed a Linux Cluster Monitoring Agent which enables users to monitor the individual Linux hosts in a cluster. PostgreSQL database provisioned using Docker. Programmed Bash scripts to extract hardware specifications and periodically update the database with usage data with the use of crontab. Constructed SQL queries to extract and analyze data pertaining to the business requirements as requested by the LCA team.

Core Java Apps [GitHub]:

- Twitter App: …
- JDBC App: …
- Grep App: …

Highlighted Projects

Project imacs (Year IV Capstone Project): Developed an application utilizing Typescript, HTML, and CSS, while adhering to the software development life cycle that enables users to take textual and handwritten notes while organizing and visualizing them in a non-hierarchical convention, received an A+. The project was implemented in accordance with the Model-View-Controller architecture. File associations are stored in JSON format. D3 library utilized to display the graph representation of the files.

GlobeTrans (Year III Cornerstone Project): Designed and implemented a large software system compliant to the specified business events and user scenarios in an agile and team environment; received an A+. The system was designed and developed in accordance with the Presentation-Abstraction-Control (PAC) software architecture, where each mode of transportation (e.g., plane, rail, road, boat, etc.) is a substitutable subsystem. The application utilizes Dijkstra's Shortest Path Algorithm to display a route between global cities with the modes of transportation that have been toggled. The design process included: establishing requirements, identifying, implementing, and documenting the architectural and detailed designs, developing and testing the prototype.

Professional Experiences

Software Developer, Jarvis (December 2021-present): Exercised agile methodologies on a daily basis in a team environment to design, implement, test, and deploy numerous software projects using a wide variety of technologies such as Java, Linux, PostgreSQL, Docker, and Git. Ameliorated organizational and time-management skills through the use of the Notion ticket-management system.

Junior Application Developer, Ontario Ministry of Children, Community, and Social Services (September 2017-September 2018): Supported the System Development & Maintenance team in planning, developing, implementing, and testing the Child Protection Information Network application. Documented and tracked testing defects, debugged, and troubleshot to ensure new requirements were implemented while existing functionality was not compromised.

Education

McMaster University (2014-2019), Bachelor of Engineering, Software Engineering - Dean's List (2017) - GPA: 3.3/4.0

Miscellaneous

- Mobile App Development with React Native (Harvard edX, 2020)
- Languages: English, Punjabi, French
- Day-trader: scalping & momentum trading
- Volleyball, baseball, basketball, tennis, and hockey player
- Bhangra Dancer
- Maple Leafs, Blue Jays, Raptors, UFC fan